Indiana Commission for Higher Education
Indiana Board for Proprietary Education

Out-of-State Institutions and
In-State Proprietary Institutions Offering Instruction in Indiana
with a Physical Presence in the State

DEGREE APPLICATION

(*New or Renewal program***)**

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Name of Institution: Kaplan University

Name of Program: Bachelor of Science in Cybersecurity (11.1003)

Level of Degree (AAS, AS, AA, BAS, BA, **BS**, MBA, MAS, MA, MS, Ph.D.): BS

Name of Person Preparing this Form: Kelly Karki

Telephone Number: 312-385-1416

Date the Form was Prepared: October 17, 2015 **(Revised 11/23/2015)**
(Revise date after any revision)

Application Type

Initial X or Renewal

I. PROGRAM OBJECTIVES: Describe what the program is designed to achieve and explain how it is structured in order to accomplish the objectives.

The Bachelors of Science in Cybersecurity program will equip students to master the foundational goals of cybersecurity. Students will apply current technical tools and methodologies to solve security problems. Upon completion, students will be able to evaluate security trends, recognize best practices, and understand IT security products and threats.

Students will explore the depth and breadth of materials to enable them to pursue many of the critical certifications recognized by the Information Assurance community, and for Department of Defense (DoD) personnel, mandated by DoD Directive 8570.1.

The following educational objectives are approved by information technology faculty and the Advisory Board:

- Our graduates will be able to apply current industry-accepted practices and new and emerging practices when solving real-world information technology problems in the industry.
- Our graduates will be able to exhibit teamwork and effective communication skills.
- Our graduates will be able to ethically and appropriately apply knowledge of societal impacts of information technology in the course of career-related activities.

II. PROGRAM STRUCTURE: List all courses in the program. Indicate course name, course number, and number of credit hours or clock hours for each course.

Name of Program: Bachelor of Science in Cybersecurity

Total Course Hours: 180 Check one: Quarter Hours X

Semester Hours

Clock Hours

Tuition : $ 66,780.00 Length of Program: 170 weeks

SPECIALTY COURSES:				
Course Number	Course Title			Course Hours
	MAJOR REQUIREMENTS			
IT 104	INTRODUCTION TO CYBERSECURITY			5
IT 262	CERTIFIED ETHICAL HACKING I			5
IT 273	NETWORKING CONCEPTS			5
IT 275	LINUX SYSTEM ADMINISTRATION			5
IT 277	CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL			5
IT 279	CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL II			5
IT 283	NETWORKING WITH TCP/IP			5
IT 286	INTRODUCTION TO NETWORK SECURITY			5
MT 140	INTRODUCTION TO MANAGEMENT			5
IT 316	COMPUTER FORENSICS			6
IT 331	TECHNOLOGY INFRASTRUCTURE			6
IT 374	LINUX SYSTEM ADMINISTRATION II			6
IT 388	ROUTING AND SWITCHING I			6
IT 390	INTRUSION DETECTION AND INCIDENCE RESPONSE			6
IT 395	CERTIFIED ETHICAL HACKING II			6

IT 400	ETHICS IN CYBERSECURITY			6
IT 410	CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL III			6
IT 411	DIGITAL FORENSICS			6
IT 412	INFORMATION SYSTEMS SECURITY			6
IT 484	NETWORKING SECURITY			6
IT 497	BACHELOR'S CAPSTONE IN CYBERSECURITY			6

LIBERAL ARTS COURSES:

Course Number	Course Title			Course Hours
CM 107	COLLEGE COMPOSITION I			5
CM 220	COLLEGE COMPOSITION II			5
CM 241	FOUNDATIONS OF TECHNICAL COMMUNICATION			2
CS 204	PROFESSIONAL PRESENCE			3
MM 212	COLLEGE ALGEBRA			5
MM 250	INTRODUCTORY DISCRETE MATHEMATICS			5
	ARTS/HUMANITIES ELECTIVES (1 of 3) ↓			
HU 200	CRITICAL EVALUATION IN THE HUMANITIES			5
HU 245	ETHICS			5
HU 250	HUMANITIES AND CULTURE			5
	SCIENCE ELECTIVES (1 of 4) ↓			
SC 200	DISCOVERING SCIENCE—CURRENT ISSUES IN A CHANGING WORLD			5
SC 235	GENERAL BIOLOGY I—HUMAN PERSPECTIVES			5
SC 246	FUNDAMENTALS OF MICROBIOLOGY			5
SC 250	SCIENCE FOR EVERYDAY LIFE			5
	SOCIAL SCIENCE ELECTIVES (1 of 3) ↓			
SS 211	THE 1960S—RESHAPING THE AMERICAN DREAM			5
SS 236	PEOPLE, POWER, AND POLITICS—AN INTRODUCTION TO AMERICAN GOVERNMENT			5

SS 250	THE TECHNOLOGICAL REVOLUTION—A SOCIAL SCIENTIFIC APPROACH			5
GENERAL COURSES:				
100/200	OPEN ELECTIVES			5
300/400	OPEN ELECTIVES			18

Number of Credit/Clock Hrs. in Specialty Courses:	117	/	180	Percentage:	65%
Number of Credit/Clock Hrs. in General Courses:	23	/	180	Percentage:	12.8%
If applicable: Number of Credit/Clock Hrs. in Liberal Arts:	40	/	180	Percentage:	22.2%

III. LIBRARY: Please provide information pertaining to the library located in your institution.

1. Location of library; Hours of student access; Part-time, full-time librarian/staff:

Links to the Library are available from within the Kaplan University Campus student portal, or students and faculty may go directly to Kaplan University's website. At the beginning of 2013, Kaplan invested in improving the library's user experience by adding EBSCO Discovery Service, bringing the Library a modern web-scale search engine that allows users to search the library's materials through a single point. Students and faculty may access library resources from anywhere 24 hours per day, 7 days per week.

The Online Library staff is available to answer reference questions by e-mail, instant message, and telephone. The library guarantees response times to student emails within one business day, and chat services are available at set times posted on the library website, Monday - Friday. Reference services are well used, with thousands of questions coming to Library staff annually.

Kaplan University's online library holdings offer a range and quantity of materials sufficient to support student learning. Students can search and open the full text of thousands of articles from over 18,000 subscribed serial publications that cover a wide variety of subjects relevant to our degree programs. Students can also search and read the full text of over 148,000 e-book titles, and hundreds more open access journals and e-books published on the web.

2. Number of volumes of professional material:

See Above

3. Number of professional periodicals subscribed to:

See Above

4. Other library facilities in close geographical proximity for student access:

Not Applicable

IV. FACULTY: Attach completed Instructor's Qualification Record for each instructor.
**** Include** all required documentation **pertaining to the qualifications of each instructor.**

Total # of Faculty in the Program:	16	**Full-time:**	3	**Part-time:**	13

Fill out form below: (PLEASE LIST NAMES IN ALPHABETICAL ORDER.)

List Faculty Names (Alphabetical Order)	**Degree or Diploma Earned**	**# Years of Working Experience in Specialty**	**# Years Teaching at Your School**	**# Years Teaching at Other**	**Check one:**	
					Full-time	**Part-time**
Thomas Bertrand	MSIT, Kaplan University, Information Technology, 2013	Not Available	0.6	0		X
Laurent Boucard	MS, Bentley University, Management Information Systems, 1996	Not Available	6.7	0		X
Denis Dow	MS, University of Denver, Computer Information Systems, 2007	Not Available	7	0		X
Carlton Haycock	MS, Columbus State University, Applied Computer Science, 2005	Not Available	10	0		X
Ernest Johnson	MS, University of Memphis, Business Administration , 2000	Not Available	3.5	0		X
DAVE LECOMTE	MSIT, Dalhousie University, Information Technology,	Not Available	12.5	0	X	

	1998					
Romel Llarena	MS, Walsh College, Business Info Technology, 2007	Not Available	2.9	0		X
Denver Martin	MIT, American InterContinental University, Operating Systems & Networking, 2000	Not Available	10.3	0		X
DONALD MCCRACKEN	MS, Capella University, Network Architecture and Design, 2004	Not Available	10.8	0	X	
Kevin Rupert	MA, University of Phoenix, Computer Science, 2005	Not Available	7.4	0		X
STEVE SAVAGE	MSIT, Dalhousie University, Information Technology, 1999	Not Available	9.1	0	X	
RANDY STAUBER	MS, Capitol College, Network Security, 2004	Not Available	1.3	0.2		X
Marc Stroz	MS, Kaplan University, Information Technology, 2011	Not Available	2.7	0		X
Carol Tilden	MS, University of Phoenix, Computer Information Systems, 1998	Not Available	9.1	0		X
Maylon Walker	MSIT	Not Available	9.2	0		X
Howard Weinraub	MS, Florida Atlantic University, Engineering Computer Science, 2003	Not Available	7.4	0		X

Indiana Board for Proprietary Education

Supplementary Information on Licensure, Certification, and Accreditation

Institution: **Kaplan University**

Degree Program: **Bachelor of Science in Cybersecurity**

Locations: **Indianapolis**

State Licensure

Does a graduate of this program need to be licensed by the State to practice their profession in Indiana and if so, will this program prepare them for licensure? Possibly (certain areas of practice), and n/a. If so, please identify--The specific license(s) needed; The State agency issuing the license(s):

Areas of Professional Practice	Specific License Needed	State Agency Issuing the License
Security Guards	Yes	Indiana Private Investigator and Security Guard Licensing Board. http://www.in.gov/pla/pisg.htm
Private Investigator	Yes	Indiana Private Investigator and Security Guard Licensing Board. http://www.in.gov/pla/pisg.htm

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Professional Certification

What are the professional certifications that exist for graduates of similar program(s)?

The BS in Cybersecurity prepares students for the CISSP and CEH certifications.

Will a graduate of this program be prepared to obtain national professional certification(s) in order to find employment, or to have substantially better prospects for employment, in a related job in Indiana? Yes.

If so, please identify Each specific professional certification: CISSP - Certified Information Systems Security Professional and CEH – Certified Ethical Hacker.

The national organization issuing each certification: CISSP is $(ISC)^2$ and CEH is EC Council.

Please explain the rationale for choosing each professional certification: Our feasibility study for the cybersecurity degree indicated that these two certifications are those most sought after by employers hiring personnel in this profession.

Please identify the single course or a sequence of courses that lead to each professional certification? For CISSP students take IT 277 Certified Information Systems Security Professional I, IT 279 Certified Information Systems Security Professional II, and IT 410 Certified Information Systems Security Professional III. For CEH students take IT 262 Certified Ethical Hacking I and IT 395 Certified Ethical Hacking II.

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Professional Industry Standards/Best Practices

Does the program curriculum incorporate professional industry standard(s) and/or best practice(s)? If so, please identify the specific professional industry standard(s) and/or best practice(s): The organization or agency, from which the professional industry standard(s) and/or best practice(s) emanate:

- IEEE - Secure Software Development and Maintenance
- ISC(2) - Concepts from the Certified Secure Software Development Life Cycle Profressional (CSSLP) and Certified Information Systems Security Professional (CISSP)
- SEI (Software Engineering Institute) - Secure Coding Practices, Software Maturity Models
- OWASP (Open Web Application Security Project) -Software Assurance Maturity Model

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Program Accreditation

Does this program need specialized accreditation in order for a graduate to become licensed by the State or to earn a national professional certification, so graduates of this program can work in their profession or have substantially better prospects for employment?

No.

If so, please identify the specialized accrediting agency:

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Transferability of Associate of Science Degrees: N/A

Since CHE/BPE policy reserves the Associate of Science designation for associate degrees whose credits apply toward meeting the requirements of a related baccalaureate degree, please answer the following questions:

Does a graduate of this A.S. degree program have the option to apply all or almost all of the credits to a related baccalaureate degree at your institution?

If so, please list the baccalaureate degree(s):

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Job Titles

List specific job titles and broad job categories that would be appropriate for a graduate of this program:

As excerpted from the website for the Bureau of Labor and Statistics:

Title	Description	Entry Level Education	2012 Median Pay
Computer and Information Research Scientists	Computer and information research scientists invent and design new approaches to computing technology and find innovative uses for existing technology. They study and solve complex problems in computing for business, medicine, science, and other fields.	Doctoral or professional degree	$102,190
Computer Network Architects	Computer network architects design and build data communication networks, including local area networks (LANs), wide area networks (WANs), and intranets. These networks range from a small connection between two offices to a multinational series of globally distributed communications systems.	Bachelor's degree	$91,000
Computer Programmers	Computer programmers write code to create software programs. They turn the program designs created by software developers and engineers into instructions that a computer can follow.	Bachelor's degree	$74,280
Computer Support Specialists	Computer support specialists provide help and advice to people and organizations using computer software or equipment. Some, called computer network support specialists, support information technology (IT) employees within their organization. Others, called computer user support specialists, assist non-IT users who are having computer problems.	See How to Become One	$48,900
Computer Systems Analysts	Computer systems analysts study an organization's current computer systems and procedures and design information systems solutions to help the organization operate more efficiently and effectively. They bring business and information technology (IT) together by understanding the needs and limitations of both.	Bachelor's degree	$79,680
Database Administrators	Database administrators (DBAs) use specialized software to store and organize data, such as financial information and customer shipping records. They make sure that data are available to users and are secure from unauthorized access.	Bachelor's degree	$77,080
Information Security Analysts	Information security analysts plan and carry out security measures to protect an organization's computer networks and systems. Their responsibilities are continually expanding as the number of cyberattacks increase.	Bachelor's degree	$86,170
Network and Computer Systems Administrators	Computer networks are critical parts of almost every organization. Network and computer systems administrators are responsible for the day-to-day operation of these networks.	Bachelor's degree	$72,560